



NCQC LABORATORY LLP

4, Abhishree Corporate Park, Nr. Swagat Bunglow BRTS,
 Iskcon-Ambli Road, Ambli, Ahmedabad-380 058 • Ph. +91-79-29795322, 29795323,
 Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370
 E-mail : ncqc@calibrationlaboratory.in, • calibrationlab.ncqc@gmail.com



CC-2128

Visit our Web Site : www.calibrationlaboratory.in • LLP IN : ACH-9094 / GSTIN : 24AAWFN8511B1Z9

Precision Calibration Centre with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate

F/CR/M/O69 Issue No. 03

Name of Customer NCQC LABORATORY LLP 4, Abhishree Corporate Park, Nr. Swagat Bunglows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No.	NCQC-M/030924/001
	Date of Issue	03/09/2024
	Date of Calibration	03/09/2024
	Suggested Due Date	02/09/2025
Date of Receipt / Ref.No.: 03/09/2024		

ULR No. : CC21282400006086F	Discipline : Mechanical Calibration Acceleration & Speed
------------------------------------	--

Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-35
	Serial No. : Q604585
	Name of Instrument : Digital Tachometer

Range	2 - 99999 RPM (Non Contact) and 2-20000 RPM	Initial Error	Nil
Resolution	0.1 RPM Upto 999.9 RPM And Above 1 RPM	Visual Inspection	OK
Make / Model	Lutron/DT- 1236L	Type / Size	Contact & Non-Contact
Location	===		

Loc. of Calibration	At Laboratory	Std. Ref. Used	===
Environment Cond.	23 ± 2°C, 40 to 60 % Rh	Cali.Method No.	NCQC/CM/M/069
Actual Env. Cond.	23.6 °C 52.0 %Rh		

Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
55	Master Digital Tachometer	Line Seiki / TM-7010	NCQC/M-154 / 184-0004	CC-2287	CC/ECL/077123-24	15/09/2024

Calibration Results for Non – Contact Type (Auto Range)

Reading Observed by Master Tachometer in RPM	Reading Observed by UUC in RPM	Absolute Error	% Error	Expanded Uncertainty in RPM (k =2)
10.0	10.0	0.0	0.00 %	1.00
20.0	20.2	0.2	1.00 %	1.00
50.1	50.3	0.2	0.40 %	1.00
100.2	100.4	0.2	0.20 %	1.00
500.3	500.7	0.4	0.08 %	1.00
1000.5	1002	1.5	0.15 %	2.12
5001.0	5002	1.0	0.02 %	3.34
10001.2	10004	2.8	0.03 %	4.01

Calibration Results for Non - Contact Type (X 10 Multiplier)

Reading Observed by Master Tachometer in RPM	Reading Observed by UUC in RPM	Absolute Error	% Error	Expanded Uncertainty in RPM (k =2)
20000.8	20004	3.2	0.02 %	15.07
30001.1	30005	3.9	0.01 %	15.04
50001.7	50006	4.3	0.01 %	15.07
70001.9	70006	4.1	0.01 %	15.06
80002.6	80007	4.4	0.01 %	23.15
90002.3	90007	4.7	0.01 %	23.15

Traceable To National / International Standards.

Calibrated By	<i>Jaydeep Khatri</i> Jaydeep Khatri Calibration Engineer	Reviewed & Approved By	<i>Jigar Panchal</i> Jigar Panchal Calibration Incharge
----------------------	---	-----------------------------------	---



NCQC System Certificate No. 29



NCQC LABORATORY LLP

4, Abhishree Corporate Park, Nr. Swagat Bungalow BRTS,
 Iskcon-Ambli Road, Ambli, Ahmedabad-380 058 • Ph. +91-79-29795322, 29795323,
 Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370
 E-mail : ncqc@calibrationlaboratory.in, • calibrationlab.ncqc@gmail.com



Visit our Web Site : www.calibrationlaboratory.in • LLP IN : ACH-9094 / GSTIN : 24AAWFN8511B1Z9

Precision Calibration Centre with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate

F/CR/M/O69 Issue No. 03

Name of Customer NCQC LABORATORY LLP 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No. NCQC-M/030924/001	
	Date of Issue 03/09/2024 Date of Calibration 03/09/2024 Suggested Due Date 02/09/2025	
ULR No. : CC212824000006086F		Date of Receipt / Ref.No.: 03/09/2024

Discipline : Mechanical Calibration
 Acceleration & Speed

Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-35
	Serial No. : Q604585
	Name of Instrument : Digital Tachometer

Calibration Results For Contact Type

Reading Observed by Master Tachometer in RPM	Reading Observed by UUC in RPM	Absolute Error	% Error	Expanded Uncertainty in RPM (k =2)
10.0	10.1	0.1	1.00 %	1.00
50.1	50.2	0.1	0.20 %	1.00
100.2	100.4	0.2	0.20 %	1.00
500.2	500.8	0.6	0.12 %	1.01
1000.3	1002	1.7	0.17 %	2.21
2000.9	2003	2.1	0.11%	2.32
5000.8	5003	2.2	0.04 %	2.55
10001.0	10004	3.0	0.03 %	4.01

Remarks:

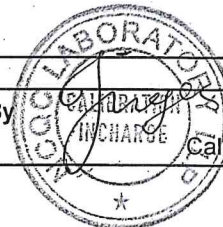
- Averages of minimum five readings are reported.
- Suggested due date is given based on customer requirements
- Condition of instrument found satisfactory during receipt.
- These results are obtained at the time of calibration.
- Result relates to the item calibrated only.
- No external provider was used for calibration and hence it is not applicable.
- Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor k = 2
- Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard.

Traceable To National / International Standards.

Calibrated By

Jaydeep Khatri
 Jaydeep Khatri
 Calibration Engineer

Reviewed & Approved By



Jigar Panchal
 Calibration Incharge

Page 2 of 2